

One-Day Seminar



Digital Mammography: A Mammographers Perspective

Instructor:
Shelly Lillè, BS, RT(R)(M)

London, ON
November 6, 2010

MTMI

Medical Technology
Management Institute

MOHAWK
COLLEGE



About the Seminar

This seminar will give those attending an understanding of the progression of mammography from film-screen to digital. Those working with digital mammography as well as those with little or no knowledge of digital will find this seminar very beneficial.

Educational Objectives

At the completion of this seminar, participants will be able to:

- Restate the history of mammography.
- Differentiate between film-screen and digital mammography.
- Explain the principles of digital mammography production.
- Diagram imaging systems components used to perform Full Field Digital Mammography (FFDM) exams.
- Describe digital breast tomosynthesis and validate DBT exam applications.
- Write a comprehensive QA program for digital mammography.
- Identify the common terminology used in the digital environment.



Who Should Attend

- mammography technologists
- supervisors
- MQSA inspectors
- vendor personnel

Instructor

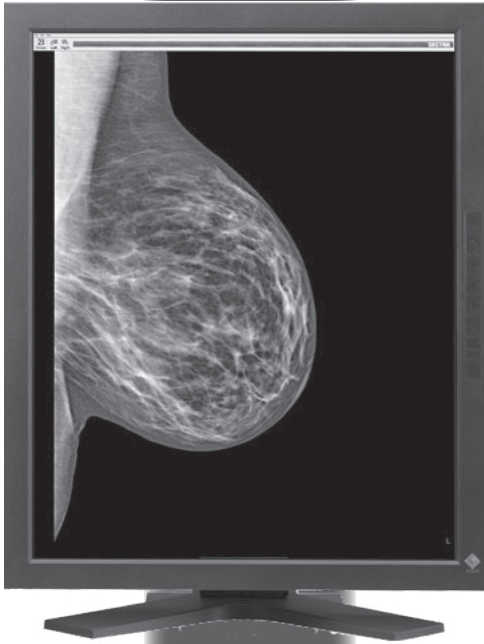


Shelly Lillè, BS, RT(R)(M)

Shelly holds a Bachelor of Science Degree in Education from the State of New York at Cortland, has been an active technologist since 1979, and currently is an independent mammography consultant. For approximately six years, Shelly held the position of Chief Technologist at the world-renowned Wende Logan-Young, MD Breast Clinic in Rochester, New York, where she played a key role in operation of the clinic. Shelly has consulted with manufacturers on the design of mammography systems and has conducted many educational programs for mammographers throughout the United States and Canada. Shelly is co-author of a technique and positioning book on mammography. She has also been a member of the planning committee and faculty of the American College of Radiology's national course on mammography for technologists since 1992. Shelly's extensive knowledge and experience in mammography will make this a very rewarding educational experience.

Continuing Education Credit

This program provides **8 hours of Category A continuing education credit** recognized by the ARRT for radiologic technologists and serves as the **8 hours on Digital Mammography training required by MQSA**. A certificate of attendance will be provided for each individual upon completion of the seminar. All attendees must attend the entire seminar to receive full credit.



Seminar Schedule

- 8:00 am** *Registration and Coffee*
- 8:30 am** **From Film to Digital: A History - A Future**
- 1924 Mammography begins
 - 1924-1965 Non-dedicated equipment
 - 1965-1999 Dedicated equipment
 - 2000 Digital mammography era
 - 2010 Tomosynthesis & future applications
- 9:30 am** *Informal Discussion and Break*
- 9:40 am** **The Who, What, How and Why of Digital**
- Where did digital come from?
 - The digital mammography room
 - How a digital image is created
 - Physics principles of image production
 - The benefits of digital imaging
 - Peripheral equipment
 - printers
 - physician workstation
 - review station
 - PACS
- 12:00 pm** *Lunch (on your own)*
- 1:00 pm** **DBT: An Introduction to Digital Breast Tomosynthesis**
- Basis for performing tomosynthesis
 - Physics principles of tomosynthesis
 - 3 designs of tomosynthesis units
 - Benefits of tomosynthesis
 - Beyond tomosynthesis
- 2:30 pm** *Informal Discussion and Break*
- 2:40 pm** **Q & A of Digital QC**
- No standardization
 - Various manufacturer's QC requirements
 - Medical physicist's tests
 - Website assistance from FDA and ACR
- 3:30 pm** **The New Language of Digital Mammography**
- Digital terminology
 - Common and uncommon definitions
 - How to use and not mis-use your new language
- 4:30 pm** *Adjourn*



Sponsorship

This seminar is jointly sponsored by Mohawk college and **MTMI**. A partnership has been formed between Mohawk College and **MTMI** to bring **MTMI**'s popular continuing education seminars for technologists to Canada. This is one of a number of future opportunities for technologists to update their skills and earn continuing education credit. Let us hear from you about the types of programs you would like us to bring to your area.

Registration

To register for this seminar, complete the registration form and:

- ♦send it with your tuition to Mohawk College Enterprise, or
- ♦call (905) 667-6230 using MasterCard or Visa, or
- ♦fax (905) 667-6231 the form with credit card information.

The tuition for this seminar is \$239 CAD (**MTMI** members \$219) per person. A special advance price for those registering and paying prior to 14 days before the seminar is \$219 CAD (**MTMI** members \$199).

- ♦Refunds, minus a \$40 CAD processing fee will be granted for cancellations received prior to 3 days before the seminar.
- ♦Cancellations received within 3 days of the seminar will receive a credit toward a future Mohawk College/**MTMI** seminar, minus the \$40 CAD processing fee. No refunds will be made after the seminar.

Mohawk College/**MTMI** reserves the right to cancel any scheduled seminar due to low advance registration or other reasons. **MTMI**'s liability is limited to a refund of any program tuition paid.

Registration Discounts: Group discount for a group from one facility registering at the same time: 3-5 attendees 5%; 6 or more attendees 10% (discount is not applicable if the tuition is paid by purchase order). For student rates, contact **MTMI**. Members of **MTMI** receive a 10% discount. Only one discount may be applied.

Visit Mohawk College's web site at: <http://www.mohawkcollegeenterprise.ca>

Visit **MTMI**'s web site at <http://www.mtmi.net>

Registration Form

Digital Mammography

11/6/10 - London, ON

Please Print Clearly - This is how your name will appear on your certificate.

Name: _____ degree/title _____

Home Address _____ City _____

Province: _____ Postal code: _____ e-mail _____ e-mail address used only for notification of future programs

Day phone () _____ Eve. phone () _____ FAX () _____

Credit Card Number: _____ Master Card Visa Check

Expiration Date _____ Signature _____

Please enclose payment to Mohawk College Enterprise in the form of check or credit card:

\$42.50 CAD Yes! Enroll me in an Annual **MTMI** membership (discount effective immediately)

Regular price: \$239 CAD (**MTMI** members \$219 CAD) - within 14 days of seminar

Advance price: \$219 CAD (**MTMI** members \$199 CAD) - 14 days before seminar

Group discount: 3-5 attendees (5%) (must register together)

6 or more attendees (10%) (must register together)

Return to: **Mohawk College Enterprise**

101A-175 Longwood Road South, Hamilton, ON L8P 0A1

☎ 905-667-6230 Fax: 905-667-6231



Call 800-765-6864
2 weeks before the
seminar if you have
special needs.

Your satisfaction with **MTMI programs is guaranteed, a guarantee we are confident you won't need to use.**

Membership

Membership in the Medical Technology Management Institute includes:

- discounts on **MTMI** services
- member newsletter
- web access to **MTMI** records
- yearly transcripts
- special benefits throughout the year exclusive to members

Joining **MTMI** with this registration qualifies you for the member price. Check the membership box on the registration form or call **MTMI**. Annual membership dues for technologists are \$42.50 CAD. **Seminar discount effective immediately.**

Location & Accommodations

Specific location and accommodation information will be listed on the website as soon as arrangements have been made.

Please go to:

<http://www.mtmi.net> or

<http://www.mohawkcollegeenterprise.ca>

or call

800-765-6864